

## CLAIMS

1. An electrical connection part (4) for a fiberizing installation for delivering filaments, especially glass filaments, the part being made of an electrically conducting material and having at least one contact surface (41a), characterized in that at least the contact surface (41a) is coated with gold.
2. The electrical connection part as claimed in claim 1, characterized in that the part (4) is entirely coated with gold.
3. The electrical connection part as claimed in claim 1 or 2, characterized in that the thickness of the gold is around 5  $\mu\text{m}$ .
4. The electrical connection part as claimed in one of claims 1 to 3, characterized in that the gold has a purity of at least 97%.
5. The electrical connection part as claimed in any one of the preceding claims, characterized in that the gold is doped.
6. The electrical connection part as claimed in claim 5, characterized in that the gold is doped with cobalt or nickel.
7. The electrical connection part as claimed in one of the preceding claims, characterized in that its contact surface or surfaces have a hardness of at least 80 HV.
8. The electrical connection part as claimed in one of the preceding claims, characterized in that the material of the part (4) is copper or aluminum.

9. An electrical connection device (3) for a fiberizing installation for delivering filaments, especially glass filaments, the device comprising the electrical connection part (4) as claimed in one of the preceding claims and a supply and connection part (5), also made of an electrically conducting material, the parts (4, 5) cooperating by friction over two respective contact surfaces (41a, 50) in order to ensure electrical connection between them.
10. The device as claimed in claim 9, characterized in that the supply and connection part (5) is entirely made of copper or aluminum.
11. The device as claimed in claim 9 or 10, characterized in that the contact surface (50) of the supply and connection part (5) is covered with silver, tin, zinc or gold.
12. A fiberizing installation for delivering filaments, especially glass filaments, which includes a bushing (13) from which the filaments are drawn, said bushing being heated by an electrical connection device (3) as claimed in one of claims 9 to 11.
13. The fiberizing installation as claimed in claim 12, characterized in that the electrical connection part (4) consists of a jaw mechanically connected to a terminal (18, 19) of the bushing (13), the jaw (4) being made of copper and coated on at least its contact surface (41a) with gold, and the other part (5), for supply and connection, of the device (3) consists of a stationary part made of copper or aluminum and maintained at a height for cooperating via its contact surface (50) with the contact surface (41a) of the connection part (4).

14. The fiberizing installation as claimed in claim 13, characterized in that it includes a bushing (13) provided with at least two electrical connection terminals (18, 19) that are placed on each of the ends (13a, 13b) of the bushing (13).
15. The fiberizing installation as claimed in claim 14, characterized in that the stationary supply and connection part (5) has a geometry suitable for bringing into contact with its electrical contact surface (50) several contact surfaces (41a) of a plurality of respective jaws (4), each jaw being electrically and mechanically connected to one of the multiple connection terminals (18, 19) respectively of one end of the bushing.